TANGO Device Server

InsertionMagnetReset User's Guide

InsertionMagnetReset Class

Revision: release_3_3_3 - Author: le
Implemented in C++

Introduction:

resets the security boxes of electro ondulators (HU256, HU640) through a 7432 DIO board (and singleshotDIO device)

Class Inheritance:

- Tango::Device_3Impl
  - InsertionMagnetReset

Properties:

Device Properties		
Property name	**Property type**	**Description**
DIODeviceName	Tango::DEV_STRING	Name of the underlying DIO device [DIO_7432 or compatible - no default value]
DIODeviceCtrlLine	Tango::DEV_STRING	DIO device's line used to control the screen [no default value]
PulseDuration	Tango::DEV_LONG	RESET Pulse duration in 1/10 sec.

Device Properties Default Values:

Property Name	**Default Values**
DIODeviceName	No default value
DIODeviceCtrlLine	No default value
PulseDuration	10

There is no Class properties.

Commands:

More Details on commands....

Device Commands for Operator Level		
Command name	**Argument In**	**Argument Out**
Init	DEV_VOID	DEV_VOID
State	DEV_VOID	DEV_STATE
Status	DEV_VOID	CONST_DEV_STRING
Reset	DEV_VOID	DEV_VOID

1 - Init

- **Description:** This commands re-initialise a device keeping the same network connection.
  After an Init command executed on a device, it is not necessary for client to re-connect to the device.
  This command first calls the device *delete_device()* method and then execute its *init_device()* method.
  For C++ device server, all the memory allocated in the *nit_device()* method must be freed in the *delete_device()* method.
  The language device desctructor automatically calls the *delete_device()* method.

- **Argin:**
  DEV_VOID : none.
- **Argout:**
  DEV_VOID : none.
- **Command allowed for:**

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.
- **Argin:**
  DEV_VOID : none.
- **Argout:**
  DEV_STATE : State Code
- **Command allowed for:**

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.
- **Argin:**
  DEV_VOID : none.
- **Argout:**
  CONST_DEV_STRING : Status description
- **Command allowed for:**

4 - Reset

- **Description:** generates a pulse to reset the magnet security boxes of the ondulator
- **Argin:**
  DEV_VOID :
- **Argout:**
  DEV_VOID :
- **Command allowed for:**

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- **Command allowed for:**

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- **Argout:**
  DEV_STATE : State Code
- **Command allowed for:**

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- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.
- **Argin:**
  DEV_VOID : none.
- **Argout:**
  CONST_DEV_STRING : Status description
- **Command allowed for:**

4 - Reset

- **Description:** generates a pulse to reset the magnet security boxes of the ondulator
- **Argin:**
  DEV_VOID :
- **Argout:**
  DEV_VOID :
- **Command allowed for:**

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Link to Non-frame version.

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- **Argout:**
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- **Command allowed for:**

4 - Reset

- **Description:** generates a pulse to reset the magnet security boxes of the ondulator

- **Argin:**
  DEV_VOID :

- **Argout:**
  DEV_VOID :

- **Command allowed for:**